Appl 3, Appl 3, Appl 3, Appl 3, Appl 3, Appl 15, Appl 4, Appl 4, Appl 13, Appl 13, Appl 13, Appl

Sequence 2 Sequence 1 Sequence 4 Sequence

Sequence 13, Sequence 13, Sequence 13, Sequence 13, Sequence 13,

Sequence 13, Sequence 15, Sequence 15,

Patent No. Patent No. Patent No.

us-09-673-785d-2.rai

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100.0%; Score 60; DB 1; Length 12; 100.0%; Pred. No. 0.00094; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                        VENNEAL INFORMATION:

SENECTE INFORMATION:

TITLE OF INVENTION: Delta-Like Gene Expressed In

TITLE OF INVENTION: Neuroendocrine Tumors

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSE: Foley & Lardner

STREET: 3000 K Street, N.W., Suite 500

CITY: Washington, D.C.

COUNTRY: USA

ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION: NUMBER: US/08/597,545

FILING DATE:
CLASSIFICATION: AND
                                                                                                                                                   PCT - US92 - 04295A - 15
US - 08 - 343 - 401A - 4
US - 08 - 445 - 265A - 2
US - 08 - 940 - 442 - 2
US - 08 - 468 - 846 - 13
US - 08 - 438 - 745 - 4
                     5434135-2
5218093-1
US-07-885-089B-13
US-07-847-743B-15
US-08-456-201-15
US-08-456-241-13
US-08-441-13
US-08-4419-878B-13
US-09-419-878B-13
US-09-173-480-13
US-08-619-032B-1
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                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,537
FILING DATE: 11-DEC-1992
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                         Sequence 7, Application US/08597545
Patent No. 5580738
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 4039
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5399
TELEFAX: (202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 904136
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
 1 CVIGYSGDRC 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
TOPOLOGY: linear
US-08-597-545-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 10; Conserv
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US-08-597-545-7
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Sequence 2, Appli
Sequence 2, Appli
Patent No. 5332669
Patent No. 5332669
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5183805
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                                                                                                  (without alignments)
21.016 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2, Patent No. 518
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 15,
Patent No. 54
Patent No. 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 12,
Sequence 17,
Sequence 17,
Sequence 15,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description
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Sequence
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                                                                                     July 1, 2003, 09:24:21; Search time 14 Seconds
                                                                                                                                                                                                                                                                                                                                                                                       /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PcTUS_COMB.pep:*
            GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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533269-2
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5183865-1
5183805-1
5183805-1
5183805-1
5256643-8
0.5-08-128-710-14
0.5-09-128-710-14
0.5-09-128-710-14
0.5-09-128-710-14
0.5-09-128-710-14
0.5-09-128-710-14
0.5-09-126-121-12
0.5-09-126-121-12
0.5-09-126-17
0.5-09-126-17
0.5-09-126-17
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0.5-09-126-17
0.5-09-126-17
0.5-09-135-096A-13
0.5-09-135-096A-13
                                                                                                                                                                                                                                                        Fotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -07-869-176-1
-08-284-923-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-360-841-2
US-08-861-000-1
                                                                                                                                                                                                                                 262574 seqs, 29422922 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUMMARIES
                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                            protein search, using sw model
                                                                                                                                                                                           BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                             Issued_Patents_AA:*
                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                      US-09-673-785D-2
60
1 CVIGYSGDRC 10
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Database :

Result õ

Searched:

Sequence:

Run on:

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Gaps

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APPLICANT: Mullenbach, Guy T.
APPLICANT: Blaney, Jeffrey M.
APPLICANT: Beanberg, Steven
TITLE OF INVENTION: MUTEINS OF EPIDERMAL GROWTH FACTOR
TITLE OF INVENTION: EXHIBITING ENHANCED BINDING AT LOW PH
CORRESPONDENCE: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
100.0%; Score 60; DB 1; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.0039;
Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Chiron Corporation
STREET: Intellectual Property R-440, P.O. Box 8097
PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA.

APPLICATION NUMBER: US/08/619,032R
                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/746,651
FILING DATE: 16-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: MCCLUDG, Barbara G
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 231.001
TELECOMUNICATION INFORMATION:
TELECHONE: 510-601-2708
TELEFAX: 510-65-3542
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/619,032B FILING DATE: 20-MAR-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Guth, OSSEPH H.
REGISTRATION NUMBER: 31.261
REFERENCE/DOCKET NUMBER: 0231.004
TELECHONICATION INFORMATION:
TELECHONE: (510) 923-3888
TELECHONE: (510) 655-3542
                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/284,923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/08619032B Patent No. 6191106 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : 53 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 53 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (510) 655-354
TELEX: N/A
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , MOLECULE TYPE: protein US-08-284-923-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33 CVIGYSGDRC 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 94662-8097
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CVIGYSGDRC 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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                                                                                        FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-619-032B-2
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APPLICANT: Mullenbach, Guy T
APPLICANT: Mullenbach, Guy T
APPLICANT: Blaney, Jeffrey M
APPLICANT: Blaney, Jeffrey M
APPLICANT: Blaney, Jeffrey M
TILE OF INVENTION: Muteins of Epidermal Growth Factor
TILE OF INVENTION: exhibiting enhanced binding at low ph
NUMBER OF SEQUENCES:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton street
CITY: Emeryville
STAREE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                               COUNTY: WASHINGTON, D.C.

COUNTY: USA

IP: 20007-5109
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHIN PC-DOS/MS-DOS
SOFTWARE: PATCHIN DATA:
APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
NAME: BENT. Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 40399/304/NIHD
TELECOMMUNICATION:
TELECOMM
                                                          Sequence 7, Application US/08457135
Patent No. 5644031
GENERAL INFORMATION:
APPLICANT: LABORDA, Jorge
TITLE OF INVENTION: Delta-Like Gene Expressed In
TITLE OF INVENTION: Neuroendocrine Tumors
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington, D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08284923
Patent No. 5547935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (202)672-5300
(202)672-5399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.
Best Local Similarity 100.
Matches 10; Conservative
                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 99
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Land
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 CVIGYSGDRC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94608
                                    US-08-457-135-7
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US-08-284-923-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                         Length 754;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 49; DB 6; Length 17;
Pred. No. 0.073;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 49; DB 6; Length 17;
Pred. No. 0.073;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 8
5183805-1
; Patent No. 5183805
; Patent No. 5183805
; TITE OF INVENTION: BIOACTIVE EGF PEPTIDES FOR
; PROMOTION OF TISSUE REGENERATION AND CANCER THERAPY
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/O7/567,407
; FILING DATE: 13-AUG-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: LEE, JIN S.; BLICK, MARK
TITLE OF INVENTION: BIOACTIVE EGF PEPTIDES FOR
PROMOTION OF TISSUE REGENERATION AND CANCER THERAPY
NUMBER OF SEQUENCES: 2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/567,407
FILING DATE: 13-AUG-1990
                                                                                                                                                                                                                                                                                                                                                                                          DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                          Score 50;
Pred. No.
                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: ASCII (text)
CURRENT APPLICATION DATA:
FILING DATE: 8-SEP-1995
CLASSIFICATION: 530
                  3: Floppy disk
IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION UNDBER: 41,106
REFERENCE/DOCKET NUMBER: HUI-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 81.7%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           81.78;
                                                                                                                                                                                                                                         TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 754 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                          83.3%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                           Ouery Match
Best Local Similarity 70.0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 70.0
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: protein
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280 CPVGYTGDRC 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CVIGYSGDRC 10
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Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5183805-2
;Patent No. 5183805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 17
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5183805-2
                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                           US-08-525-864A-2
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Patent No. 591236
GENERAL INFORMATION:
APPLICANT: Chang, Han
TITLE OF INVENTION: Related thereto
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 60; DB 6; Length 53; 100.0%; Pred. No. 0.0039; tive 0; Mismatches 0; Indels
                                                               Query Match 100.0%; Score 60; DB 4; Length 53; Best Local Similarity 100.0%; Pred. No. 0.0039; Matches 10; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: DEUEL, THOMAS F.
TITLE OF INVENTION: PROSTATE-DERIVED MITOGEN
NUMBER OF SEQUENCES: 3
CURRENT APPLICATION DATA:
FILING DATE: 24-MAR-1989
                                                                                                                                                                                                                                                         APPLICANT: DEUEL, THOMAS F.
TITLE OF INVENTION: PROSTATE-DERIVED MITOGEN
NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 50; DB 6
Pred. No. 0.14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/356,739
FILING DATE: 24-MAR-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                83.3%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.
Best Local Similarity 100.
Matches 10; Conservative
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Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Boston
: Massachusetts
RY: USA
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-619-032B-2
                                                                                                                                                 33 CVIGYSGDRC 42
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                                                                                                                               1 CVIGYSGDRC 10
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SEQ ID NO:2:
: LENGTH: 53
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; LENGTH: 48
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                                                                                                                                                                                                                                                                                                                                                                                     5332669-2
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RESULT 12
US-09-158-710-14
; Sequence 14, Application US/09158710
; Patent No. 6235884
; GENERAL INFORMATION:
    APPLICANT: ALGABRIT, Michael
; APPLICANT: Higanshiyama, Shifeki
; APPLICANT: Higanshiyama, Shifeki
; APPLICANT: Besner, Gall F.
; TILLE OF INVENTION: GROWTH FACTOR (EGF)
; FILE OF INVENTION: HEPARIN BINDING MITH HOMOLOGY TO EPIDERWAL
; TILLE OF INVENTION: HEPAREN US/09/158,710
; FILE REFERENCE: 05162/002003
; CURRENT APPLICATION NUMBER: US/09/158,710
; CURRENT FILING DATE: 1998-09-22
; EARLIER PILICATION NUMBER: US 08/039,364
; EARLIER FILING DATE: 1993-06-15
; EARLIER FILING DATE: 1993-06-15
; MUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                          Gaps
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                                                                                          Length 37;
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                                                                                                                                                          1; Indels
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                                                                                          Score 49; DB 2;
Pred. No. 0.15;
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Pred. No. 0.15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 44, Application US/08168091A
Patent No. 565862
GENERAL INFORMATION:
APPLICANT: Flalls, Douglas R.
APPLICANT: Rosen, Kenneth M.
APPLICANT: Corfas, Gabriel
TITLE OF INVENTION: Neurotrophic Factor
UNMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Mismatches
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STREET: 60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/168,091A
FILLING DATE: 15-DEC-1993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 70.0%;
Matches 7; Conservative 5
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                                                             Query Match
Best Local Similarity 70.0-
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                    11:11 |:11
28 CVVGYIGERC 37
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28 CVVGYIGERC 37
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US-09-158-710-14
; TOPOLOGY: linear
US-08-039-364-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
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US-08-168-091A-44
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Patent No. 581393
GENERAL INFORMATION:
APPLICANT: Klagsbrun, Michael
APPLICANT: Higashyama, Shigeki
APPLICANT: Higashyama, John Higashyama, Joh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 49; DB 6; Length 25;
Pred. No. 0.11;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                        APPLICANT: Persico, Maria G.; Salomon, David S. TITLE OF INVENTION: HUMAN CRIPTO PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TIPE: 3.5" Diskette, 1.44 Mb
COMPUTER: 1BAP 82/2 Model 502 or 553X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WORDPEFFECT (VERSION 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/039,364
FILING DATE: 15 JUN 1993
CLASSIFFCATION: 435
PRICH APPLICATION DATA:
APPLICATION NUMBER: 07/598,082
FILING DATE: 16 CCT 1990
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REFERENCE/DOCKET NUMBER: 05162/002002
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 18
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/530,165
FILING DATE: 29-MAY-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (617) 542-5070
TELERAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGHT: 37 amino acids
TYPE: amino acid
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 70.0%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Dish
                             1 CVIGYSGDRC 10
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13 CVVGYIGERC 22
                                                             2 CVVGYIGERC 11
                                                                                                                                                                                                                                              5256643
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5256643-8
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                                                                                                                                                                                 RESULT 10
5256643-8
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Gaps

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APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related TITLE OF INVENTION: Ligands and Uses Therefor NUMBER OF SEQUENCES: 23 CORRESPONDENCE ADDRESS: ADDRESSE: Genentech, Inc. STREET: 1 DNA Way
                                          Score 49; DB 1; Length 44; Pred. No. 0.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 46;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: 18M PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,437
FILING DATE: 24-Jul.1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. 0.19
2; Mismatches
                                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search completed: July 1, 2003, 10:33:45
Job time : 15 secs
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Sequence 12, Application US/08899437

Patent No. 6121415

GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATORNEY AGENT INFORMATION:
NAME: Conley, Delrdre L.
REGISTATION UNDER: 36,487
REFERENCE/DOCKET NUMBER: P108
TELECOMMUNICATION INFORMATION:
TELEFAX: 650/252-2066
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                        81.7%;
ilarity 70.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    81.7%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 81.7
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 46 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; IDENTIFICATION METHOD:
; OTHER INFORMATION:
US-08-899-437-12
                                                                                                                         1 CVIGYSGDRC 10
                                                                                                                                                                 33 CVVGYIGERC 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CVIGYSGDRC 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 46 amino TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: Linear
                                        Query Match
Best Local Similarity
Matches 7; Conserv
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US-08-278-089A-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Breitman, Martin L.
APPLICANT: Rossant, Janet
APPLICANT: Rossant, Daniel J.
APPLICANT: Yamaguchi, Terry P.
TITLE OF INVENTION: No. 5681714el Receptor Tyrosine Kinase
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                              81.7%; Score 49; DB 1; Length 42; 70.0%; Pred. No. 0.17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: Canada
ZIP: M5H 3YZ
COMPUTER READABLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIDLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/278,089A
FILING DATE: 20-JUJ-1994
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Mismatches
                                                                                             NAME: Deconti, Giulio A
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: HMI-002CP
TELECOMUNICATION INFORMATION:
TELEPHONE: (617) 227-5400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 44:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 24, Application US/08278089A Patent No. 5681714 GENERAL INFORMATION:
                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/953,742
FILING DATE: 29-SEP-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Kurdydyk, Linda M.
REGISTRATION NUMBER: 34,971
REFERENCE/DOCKET NUMBER: 3153
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 364-7311
INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Bereskin & Parr
STREET: 40 King Street West
CITY: TOTONTO
STATE: Ontario
COUNTRY: Canada
                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 70.00
                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 42 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 44 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CVIGYSGDRC 10
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31 CVVGYIGERC 40
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CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
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Gaps

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Page 1

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57.709 Million cell updates/sec
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/cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:
/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:
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/cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /ptodata/1/pubpaa/US06_PUBCOMB.pep
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                424699 seqs, 109646833 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Published_Applications_AA:
                                                                                                            OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                              BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                           US-09-673-785D-2
60
1 CVIGYSGDRC 10
                                                                                                                                                                                                                                                                                                            Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Searched:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		dР				
Result No.	Score	Query Match	Query Match Length DB	DB	ID	Description
1	09	100.0	53		US-10-138-158-19	Sequence 19, Appl
7	9	100.0	53	δ	US-10-150-648B-33	33,
3	9	100.0	145	σ	US-10-150-648B-30	Sequence 30, Appl
4	20	83.3	112	σ	US-10-211-994-20	Sequence 20, Appl
S	20	83.3	298	10	US-09-864-675-4	4
9	49	81.7	46	σ	US-10-136-573A-12	12,
7	49	81.7	46	σ	US-09-877-665-12	. ~
80	49	81.7	46	O	US-10-215-862-12	2
σ	49	81.7	46	10	US-09-817-647-12	12,
10	49	81.7	47	12	US-10-096-241-17	17,
11	49	81.7	48	0	US-10-201-945-13	٠,
12	49	81.7	53	σ	US-09-903-327A-9	-
13	49	81.7	53	σ	US-10-150-648B-35	Sequence 35, Appl
14	49	81.7	53	6	US-10-211-994-4	ą,
15	49	81.7	53		US-09-848-664-31	m
16	49	81.7	58	10	US-09-934-706-3	3,
17	49	81.7	91	σ	US-10-022-609-13	Sequence 13, Appl
18	49	81.7	111	6	US-10-211-994-27	7
19	49	81.7	111	σ	US-10-211-994-29	6

Qy Dp

Sequence 5, Appli Sequence 7, Appli Sequence 32, Appl Sequence 32, Appl Sequence 33, Appl Sequence 34, Appl Sequence 34, Appl Sequence 31, Appl Sequence 31, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 16, Appl Sequence 17, Appl Sequence 343, Appl Sequence 50, Appl
9 US-10-211-994-5 9 US-10-211-994-7 10 US-02-11-994-25 9 US-10-211-994-25 10 US-03-280-030-64 10 US-09-934-706-5 10 US-09-903-321-33 10 US-09-903-321-33 10 US-09-903-321-33 10 US-09-903-321-33 10 US-09-903-321-3 10 US-10-150-6488-31 9 US-10-150-6488-31 9 US-10-150-6488-31 9 US-10-150-6488-31 9 US-10-150-6488-31 9 US-09-866-050A-343 9 US-09-866-050A-417 9 US-09-866-050A-417 9 US-09-866-050A-417 9 US-09-866-050A-417 9 US-09-866-050A-417 9 US-10-230-165-50 9 US-10-230-165-50 9 US-10-230-141-50 9 US-10-230-414-50 9 US-10-230-414-50 9 US-10-230-414-50 9 US-10-231-848-50 9 US-10-227-884-50 9 US-10-227-883-50
1112 1112 1112 1112 1146 1146 1146 115 116 116 116 117 113 113 113 113 113 113 113 113 113
81.7 81.7 81.7 81.7 81.7 81.7 76.7 76.7 71.7 71.7 71.7 71.7 71.7 7
44444444444444444444444444444444444444
01000000000000000000000000000000000000

ALIGNMENTS

Sequence 19, Application US/10138158 Publication No. US20030036509A1 GENERAL INFORMATION:

```
| APPLICANT: STEM CELL PHARMACEUTICALS, INC. |
| APPLICANT: THRADIATE, Daniel R. |
| APPLICANT: THRADIATE, Daniel R. |
| APPLICANT: THRADIATE, Daniel R. |
| APPLICANT: FELKER, Thomas S. |
| APPLICANT: PERSELL, Stefan |
| APPLICANT: PRASELL, Stefan |
| APPLICANT: STEMILIO-6 |
| CURRENT APPLICATION NUMBER: US 09/641,587 |
| PRIOR APPLICATION NUMBER: US 09/459,813 |
| PRIOR PELING DATE: 1990-12-13 |
| PRIOR PELING DATE: 1990-12-13 |
| PRIOR PELING DATE: 1990-12-13 |
| PRIOR PELING DATE: 1990-00-12 |
| PRIOR PELING DATE: 1991-00-13 |
| PRIOR PELING DATE: 1991-
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us-09-673-785d-2.rapb

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                                         ; DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 J00380; BLEVANR ESIDUES: 1993-04-27; RELEVANR ESIDUES: Relevant residues FROM 919 TO 1063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , OTHER INFORMATION: Nucleotide and peptide sequence of multivalent vaccine US-10-211-994-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/09864675
Pettent No. US2002008128641
GENERAL INFORMATION:
APPLICANT: Marchional, Mark
TITLE OF INVENTION: NG-2 NUCLEIC ACID MOLECULES,
TITLE OF INVENTION: NC-2 NUCLEIC ACID MOLECULES,
FILE REFERENCE: 04585/040902
CURRENT APPLICATION NUMBER: US/09/864,675
PRIOR REPUTATION DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/206,495
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Senguela, Paromita
APPLICANT: Paraad, Sudhanand
APPLICANT: Burnan, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                    Length 145;
                                                                                                                                                                                                                                                                                            0; Indels
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                                                                                                                                                                                           Query Match
100.0%; Score 60; DB 9;
Best Local Similarity 100.0%; Pred: No. 0.016;
Matches 10; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 50; DB 9;
Pred. No. 0.5;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20, Application US/10211994
Publication No. US20030082201A1
GENERAL INFORMATION:
APPLICANT: Rao, M.R.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                        91 CVIGYSGDRC 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                           1 CVIGYSGDRC 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92 CVIGYIGERC 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CVIGYSGDRC 10
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 4
US-10-211-994-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-864-675-4
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LENGTH: 298
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Publication No. US20030059802AI
GENERAL INFORMATION:
APPLICANT: Bilodeau-Goessels, Sylvie
APPLICANT: Selinger, Leonard B.
APPLICANT: Belinger, Leonard B.
APPLICANT: Benkel, Bernhard F.
TITLE OF INVENTION: Nucleic acid and protein sequences of bovine epidermal growth
TITLE OF INVENTION: Lactor
CURRENT APPLICATION NUMBER: US/10/150,648B
PRIOR APPLICATION NUMBER: US/10/150,648B
PRIOR APPLICATION NUMBER: 60/292,136
PRIOR APPLICATION NUMBER: 60/292,136
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin Version 3.1
                                                                                      APPLICANT: Bilodeau-Goesseels, Sylvie
APPLICANT: Bilodeau-Goesseels, Sylvie
APPLICANT: Bilodeau-Goesseels, Sylvie
APPLICANT: Selinger, Leonard B.
APPLICANT: Selinger, Leonard B.
APPLICANT: Bernhard F.
TITLE OF INVENTION: Mucleic acid and protein sequences of bovine epidermal growth
TITLE OF INVENTION: factor
TITLE REFERENCE: 60-01
CURRENT APPLICATION NUMBER: US/10/150,648B
PRIOR APPLICATION NUMBER: 60/292,136
PRIOR APPLICATION NUMBER: 60/292,136
PRIOR FILLING DATE: 2001-05-18
SOFTWARE: Patentin version 3.1
LENGTH: 53
mvns. new.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 J00380
DATABASE ENTRY DATE: 1993-04-27
RELEVANT RESIDUES: Relevant residues FROM 977 TO 1029
US-10-150-648B-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Mus musculus
ORGANISM: Mus musculus
AUTHORS: Gray, A. Dull, T.J. and Ullrich, A.
TITLE: Nucleotide sequence of epidermal growth factor cDNA predicts a
JOURNAL: Nature
PAGES: 722-725
DATE: 1983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUBLICATION INFORMATION:
AUTHORS: Gray, A., Dull, T.J. and Ullrich, A.
TITLE: Nucleotide Sequence of epidermal growth factor cDNA predicts a
JOURNAL: N128,000-molecular weight protein precursor
VOLUME: 303
PAGES: 722-725
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Best Local Similarity 100.0%; Score 60; DB 9; Length 53;
Matches 10; Conservative 0; Mismatches 0; Indels
Sequence 33, Application US/10150648B; Publication No. US20030059802A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           33 CVIGYSGDRC 42
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ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-150-648B-30
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LENGTH: 145
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83.3%; Score 50; DB 10; Length 298;

Query Match

Gaps

```
APPLICANT: Mark, Melanie Rose
APPLICANT: Mark, Melanie Rose
APPLICANT: Mark, Melanie Rose
APPLICANT: Mark, Melanie Rose
TITLE OF INVENTION: ExbB Receptor-Specific Neuregulin Related Ligands and
TITLE OF INVENTION: Uses Therefor
TITLE OF INVENTION: Uses Therefor
TITLE OF INVENTION: Uses Therefor
CURRENT APPLICATION NUMBER: US/10/215,862
CURRENT FILING DATE: 1998-07-30
PRIOR PILING DATE: 1998-07-30
PRIOR FILING DATE: 1998-07-30
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
PRIOR FILING DATE: 1997-07-24
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Patent No. US2002008229A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
Ligands and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 49; DB 9;
Pred. No. 0.33;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 49; DB Pred. No. 0.332; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                         CTHER INFORMATION:

SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-877-665-12
         REGISTRATION NUMBER: 36,487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 12, Application US/10215862
Publication No. US20030036166A1
GENERAL INFORMATION:
                                       NUMBER:
                                                                                        TELEPHONE: 650/225-2066
                                                                                                                                                                                                           LENGTH: 46 amino acids
                                                                                                                                                                                                                                                                                                                                                       LOCATION: 1-46 IDENTIFICATION METHOD:
                                                                                                                         650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 81.7%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       81.7%;
70.0%;
                                                                                                                                                 INFORMATION FOR SEQ ID NO: 12
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                  NAME/KEY: hEGF.egf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 23
                                       REFERENCE/DOCKET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 70.0
Matches 7; Conservative
                                                                                                                                                                                                                                             TYPE: Amino Acid
                                                                                                                                                                                                                                                                        TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 81.7
Best Local Similarity 70.0
Matches 7; Conservative
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32 CVVGYIGERC 41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Homo sapiens
US-10-215-862-12
                                                                                                                         TELEFAX:
                                                                                                                                                                                                                                                                                                FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-215-862-12
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APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Construction State Sta
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                                    Gaps
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TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
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                                    Indels
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,665
FILING DATE: 08-Jun-2001
CLASSIFTCATION: <u >un</u>
PRIOR APPLICATION DATA:
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   Pred. No. 1.2;
2; Mismatches
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FILING DATE: 30-Un-1998
ATTONEY AGENT INFORMATION:
NAME: CONLEY, DEITGRE L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 49;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
                                                                                                                                                                                                                                                                                          Sequence 12, Application US/10136573A Patent No. US20020161200A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 12, Application US/09877665
Patent No. US20020164680A1
GENERAL INFORMATION:
70.08;
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NUMBER OF SEQ ID NOS: 23
SEQ ID NO 12
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70.0%;
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Best Local Similarity 70.0
Matches 7; Conservative
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Best Local Similarity 70.0
Matches 7; Conservative
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280 CPVGYTGDRC 289
                                                                                        1 CVIGYSGDRC 10
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US-10-136-573A-12
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US-10-136-573A-12
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US-09-877-665-12
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81.7%; Score 49; DB 12; Length 47;
70.0%; Pred. No. 0.33;
tive 2; Mismatches 1; Indels
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IIILE OF INVENTION: Transforming Growth Factor Alpha HI
CORRESPONDENCE ADDRESS:
ADDRESSE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IEM PC COMPUTED

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

APPLICATION DATA:
PILING DATE: 25-U1-2002

PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US/10/201,945

FILING DATE: 25-U1-2002

PRIOR APPLICATION NUMBER: US/99

FILING DATE: 23-Dec-1999

APPLICATION NUMBER: 08/915,096

APPLICATION NUMBER: US/99

APPLICATION NUMBER: US/99
                                                                                           NAME: Fasse, J Peter
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 07334/022001
TELEPHONE: 617-542-5070
TELEFAN: 617-542-8906
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                 TYPE: amino acids
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF110D1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-10-201 945-13
Sequence 13, Application US/10201945
Publication No. US20020188110A1
GENERAL INFORMATION:
APPLICANT: Meisener, Paul S.
Fuldner, Rebecca A.
                                                                                                                                                                                                                                                                LENGTH: 47 amino acids
                                                                               ATTORNEY/AGENT INFORMATION:
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TELEPHONE: 301-309-8504
TELEX: 301-309-8439
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ZIP: 20850
COMPUTER READABLE FORM:
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Best Local Similarity 70.0
Matches 7; Conservative
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SEQUENCE CHARACTERISTICS
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Pred. No. 0.33;
2; Mismatches 1; Indels
                                                                                 COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OFFWARE: WinPatin (Genentech)
APPLICATION DATA:
FILING DATE: 26-Mar-2001
CLASSIFICATION: CURROND>
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TITLE OF INVENTION: DON-1 GENE AND POLYPEPTIDES
AND USES THEREFOR
                                                                                                                                                                                                                                                                                           FILING DATE: CURNOWS

ATTORNEY/AGENT INFORMATION:
NAME: COILEY, Deirdre L.
REGISTRATION NUMBER: 36,487

TELECOMMUNICATION INFORMATION:
FELFENCE: 650,225,2066
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APPLICATION NUMBER: 09/107,979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS;
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/096,241
FILING DATE: 12-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
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OTHER INFORMATION:
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
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ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATURG SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17, Application US/10096241
Patent No. US20020127594A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 46 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 12: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: hEGF.egf
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Best Local Similarity 70.0%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: Amino Acid
TOPOLOGY: Linear
                                                               USA
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APPLICANT: Hubbell, Jeffrey A.

TITLE OF INVENTION: Controlled Release of No. US20020146414Al-Heparin Binding Grow
TITLE OF INVENTION: Factors from Heparin Containing Matrices
FILE REFERENCE: ETH 108
CURRENT APPLICATION NUMBER: US/09/848,664
CURRENT FILING DATE: 2001-05-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Unknown Organism: Epidermal growth factor US-10-211-994-4
                                                                                                                                                                                                                                                                                                                        DATABASE ACCESSION NUMBER: GenBank Accession No. US20030059802A1 X04571 DATABASE ENTRY DATE: 1993-04-21 RELEVANT RESIDUES: Relevant residues FROM 970 TO 1022
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                     AUTHORS: Bell, G.I., Fong, N.M., Stempien, M.M., Wormsted, M.A., AUTHORS: Caput, D., Ku, L.L., Urdea, M.S., Rall, L.B. and Sanchez-AUTHORS: Pescador, R.
TITLE: Human epidermal growth factor precursor: cDNA sequence, TITLE: expression in vitro and gene organization.
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APPLICANT: Sengupta, Sudhanand
APPLICANT: Prasad, Sudhanand
APPLICANT: Burman, Anand C.
APPLICANT: Burman, Anand C.
APPLICANT: Thomas, Becky
TITLE OF INVENTION: MULTIVALENT SYNTHETIC VACCINE FOR CANCER
FILE REFERENCE: 1014152-11
CURRENT APPLICATION NUMBER: US/10/211,994
CURRENT FILING DATE: 2002-08-02
PRIOR FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 53;
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Pred. No. 0.37;
2; Mismatches
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Pred. No. 0.37;
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Patent No. US20020146414A1
GENERAL INFORMATION:
APPLICANT: Sakiyama-Elbert, Shelly E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4, Application US/10211994 
'Publication No. US20030082201A1 
GENERAL INFORMATION:
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70.0%;
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70.0%;
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Best Local Similarity 70.0.
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   PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rao, M.R.S. APPLICANT: Sengupta,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
7; Conserv
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                                                                                                                                                                                                                                     ISSUE: 21
PAGES: 8427-8446
DATE: 1986
                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-150-648B-35
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LENGTH: 53
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TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGET
TITLE OF INVENTION: BEINGTONE BEINGTHONE BEING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: John, Sushil J.
APPLICANT: Selinger, Leonard B.
APPLICANT: Selinger, Leonard B.
APPLICANT: Selinger, Leonard B.
APPLICANT: Benkel. Bernhard F.
TITLE OF INVENTION: Nucleic acid and protein sequences of bovine epidermal growth
TITLE OF INVENTION: factor
FILE REPERBENCE: 60-01
CURRENT APPLICATION NUMBER: US/10/150,648B
CURRENT FILING DATE: 2002-05-17
PRIOR APPLICATION NUMBER: 60/292,136
PRIOR PILING DATE: 2001-05-18
NUMBER OF SEC ID NOS: 37
SOFTWARE: Patentin version 3.1
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OTHER INFORMATION: Epidermal Growth Factor (EGF, mature peptide)
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                                                                                                                                                                          Length 48;
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Pred. No. 0.37;
                                                                                                                                                                          Score 49; DB 9;
Pred. No. 0.34;
                                                                                                                                                                                                                                     2; Mismatches
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TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-201-945-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 9, Application US/09903327A Patent No. US2002016433A1 GENERAL INFORMATION: APPLICANT: Nemerow, Glen R.
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70.08;
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70.0%;
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Best Local Similarity 70.00
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Best Local Similarity
Matches 7; Conserv
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US-10-150-648B-35
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US-09-903-327A-9
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LENGTH: 53
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